

PHYSICS AND ASTRONOMY

Second-level Courses: Each course 60 hrs, 4 cr, unless otherwise noted.

PHYS U701, U702 Mathematical Physics

Study of the basic mathematical techniques used in physics.

PHYS U711 Analytical Dynamics

Study of advanced classical mechanics.

prereq or coreq: **PHYS U701**

PHYS U715, U716 Electromagnetic Theory

Advanced concepts of static and time-dependent electromagnetic fields.

prereq or coreq: **PHYS U701**

PHYS U725, U726 Quantum Mechanics

Basic study of quantum theory of matter including introduction to relativistic theory.

prereq or coreq: **PHYS U701**

PHYS U771, U772, U773

Research or Independent Study

Research or independent study done under supervision of faculty member.

each 30-120 hrs, 1-4 cr

Courses offered according to student demand:

PHYS U738 Introduction to Non-equilibrium Statistical Mechanics

Introduction to basic techniques for study of matter in non-equilibrium situations.

Prereq: **PHYS U711**

PHYS U741 Kinetic Theory and Statistical Mechanics

Study of physical properties of systems consisting of very large numbers of particles.

PHYS U745, U746 Solid State Physics

Basic theory and techniques for study of matter in solid state are developed including solid state devices.

prereq for **PHYS U746:** **PHYS U725**

800-level university courses are periodically offered at Hunter College according to student demand.

PHYS U611 Analytical Mechanics

PHYS U624 Plasma Physics

PHYS U757 Astrophysics

POLITICAL SCIENCE

Department Office: 1724 West Building; (212) 650-5500

Chair Kenneth Sherrill, 1724 West Building; (212) 772-5798; kenneth.sherrill@hunter.cuny.edu

Many members of the department participate in a PhD program based at the CUNY Graduate Center. Information can be obtained from the Department of Political Science, CUNY Graduate Center, 365 Fifth Avenue, New York, NY 10016 or <http://web.gc.cuny.edu/dept/POLIT/index.htm>

PSYCHOLOGY

Department Office: 611 North Building; (212) 772-5550

Chair: Vita Rabinowitz,

611 North Building; (212) 772-5550; vita.rabinowitz@hunter.cuny.edu

MA Program Director and Adviser:

Martin Chodorow, 514 Thomas Hunter Hall; (212) 772-5558; gradpsych@hunter.cuny.edu

Program Head for Biopsychology (CUNY PhD Program): Peter Moller, 611 North Building; (212)772-5621

Website: <http://maxweber.hunter.cuny.edu/psych/maprog/>

FACULTY

Gordon A. Barr, Professor; PhD, Carnegie-Mellon; Developmental Psychobiology: Developmental Neuropharmacology, Pain Perception, Drug Abuse, Opiate Analgesia, Reward and Withdrawal

Christopher Braun, Assistant Professor; PhD, California (San Diego); Sensory Psychology: Sensory Systems in Animals; Neural Substrates of Vibration and Sound Detection; Sensory Variation, Ecology, and Evolution

Sheila Chase, Professor; PhD, CUNY; Experimental Psychology: Animal Cognition, Memory and Decision Processes, Computer Models

Martin Chodorow, Professor; PhD, MIT; Experimental Cognition: Models of Memory, Psycholinguistics, Computational Linguistics

Darlene DeFour, Associate Professor; PhD, Illinois; Personality and Social Psychology: Coping with Stress, Psychology of Women, Social Networks, Black Psychology, Culture and Psychology

Tracy Dennis, Assistant Professor; PhD, Pennsylvania State; Clinical and Developmental Psychology: Emotion Regulation, Motivation, Developmental Psychopathology, Cultural and Contextual Influences on Self Development and Social Relationships

Roseanne Flores, Assistant Professor; PhD, CUNY; Developmental Psychology: Language Acquisition, Cognitive Development, Children and Poverty, Children and Culture

Robert Fried, Professor; PhD, Rutgers; Psychophysiology: Biofeedback Behavior Physiology, EEG

James Gordon, Professor; PhD, Brown; Sensory Psychology: Color Vision, Visual Neuropsychology, Vision in Infants

Cheryl Harding, Professor; PhD, Rutgers; Behavioral Endocrinology: Hormone-Behavior Interactions, Sexual Differentiation of the Brain and Behavior, Brain Neurochemistry and Learning

Rebecca Farmer Huselid, Associate Professor; PhD, Kansas; Social Psychology: Gender Roles and Health, Links Between Ethnic Identity, Adjustment, and Achievement

Shirzad Jenab, Assistant Professor; PhD, Mount Sinai School of Medicine; Drugs of abuse, gene expression, neurochemistry and neuropharmacology, CNS degenerative diseases

Ellen Tobey Klass, Associate Professor; PhD, Chicago; Clinical Psychology: Guilt, Morality, Honesty

Degrees Offered	HEGIS	
Psychology	BA*	2001
Psychology	MA	2001

* See Hunter College Undergraduate Catalog 2002-2004, p. 132 for information about the bachelor's program in psychology

Kenneth Levy, Assistant Professor; PhD, CUNY; Clinical Psychology: Attachment Theory and Research, Mental Representations, Emotion Regulation, Psychotherapy Research, Psychopathology

Victoria Luine, Distinguished Professor; PhD, SUNY (Buffalo); Behavioral Endocrinology: Neurochemistry of Hormone-dependent Sexual Behavior, Hormonal Influences on Age-related Memory Loss

Peter Moller, Professor; PhD, Free University of Berlin; Animal Behavior: Multisensory Integration, Electrolocation and Electrocommunication in Electric Fish, Behavioral Physiology, Behavioral Endocrinology

Helen M. Newman, Associate Professor; PhD, CUNY; Communication and Psychotherapy: Intimate Relationships, Information-processing and Social Cognition, Psychoanalytic Theory, Mind-body Therapies

Jeffrey Parsons, Associate Professor; PhD, Houston; Developmental Psychology: Adolescent Development, Risk Taking, HIV/AIDS Prevention, Health Psychology, Gay/Lesbian Issues, Substance Abuse, Sexual Behavior

Sandeep Prasada, Assistant Professor; PhD, MIT; Cognitive and Developmental Psychology: Conceptual & lexical representation in mind and brain, Language acquisition

Vanya Quiñones-Jenab, Associate Professor; PhD, Rutgers; Molecular and Neuroendocrinological Bases of Behavior: Drug Abuse Effects on Maternal Behaviors and CNS/Endocrine Mechanism, Ovarian Hormones and Pain Pathways

Vita C. Rabinowitz, Professor; PhD, Northwestern; Social Psychology: Gender Issues in Health, Coping, Justice and Helping, Health

Salomon Rettig, Professor; PhD, Ohio State; Social Psychology: Therapeutic Group, the Kibbutz, Risk-taking, Philosophy and Sociology of Science

Bonnie Seegmiller, Associate Professor; PhD, NYU; Developmental Psychology: Intrafamily Abuse, Family Interactions, Cross-cultural Research, Second Language Acquisition

Joyce Slochower, Professor; PhD, Columbia; Clinical and Social Psychology: Psychotherapy, Psychoanalysis

Virginia Valian, Professor; PhD, Northeastern; Cognitive and Developmental Psychology: Language Acquisition, Sex Differences in Cognition and Achievement